

From boatanchors@theporch.com Sun Mar 10 14:27:38 1996
From: DUBE2@delphi.com
Subject: 16 Tubes\3 Types
Message-ID: <01I25FRECEEQ99EUR9@delphi.com>

Radiomatt said:

>I was going over some lit on the Siemens receiver I have. The 445E311 has
>16 tubes, but only 3 types! Sure saves on spares inventory! It shows that
>engineers can get around the advantages/shortcomings of those hollow-state
>devices.

OK. What are the three types?

73,
Dube AB5AP dube2@delphi.com

The wear on a hypothesis is proportional to the distance of the
extrapolation from the experimental results - Eli Brookner

From boatanchors@theporch.com Sun Mar 10 14:27:38 1996
From: aa4rm%amos.UUCP@mathcs.emory.edu (Marty)
Subject: 80m telco packset #8907 (WE, Stromberg??)
Message-ID: <9603101508.AA15054@amos.YP.mystnite>

I now have two. They use a host of 1.4V battery tubes, made
abt. 1955 (1 ea. 1N34, disc ceramics a'plenty), and mine are crystaled
for 3980 (3525 xtal for RX / txF-455).

No maker mark but telco handset marked Stromberg Carlson.

They came out of a TN ham estate & were probably re-xtaled there.

They were labeled A & TT (looks like a typo) Atlanta region.
One has s.n. P20.

They use 45, 90, & 135 B+, -4.5 & -15 C, plus lotsa amps @ 1.5V. Makes
a pretty tough inverter assignment.

Mebbe 12V Gel & zener for C & supply to xsistor chopper for 1.5
& B+. Ideas welcome

Anybody out there ever use 'em, see 'em, know their history? They're
in OD cases abt. 14 x 5"d x 10"w & when open expose a meter, several
switches, nice-layout.

New ones on me

Marty

From boatanchors@theporch.com Sun Mar 10 14:27:38 1996
From: don merz <71333.144@compuserve.com>
Subject: Comm IV, Military Phones FS
Message-ID: <960310152214_71333.144_DHB66-1@CompuServe.COM>

For Sale

CONTACT: Don Merz, N3RHT: 47 Hazel Drive, Pittsburgh, PA 15228.
412-234-8819 (weekdays, EST or leave a message anytime).
71333.144@compuserve.com

Gonset Communicator IV Model 3342 for 6 meters. Early-60's AM VHF transciever with VFO receive and crystal controlled transmitter. This one has an excellent front panel but also has some scratches on the cabinet. It works but the receiver lacks the sensitivity it should have. No modifications of any kind that I can see. Runs on 12VDC or 110VAC but I only have the AC cord for this one. Overall, this is in very good condition. \$120

Military US Marine Corps MCT-1 Alert Telephone System phones. These are military field phones in green-painted wooden boxes with bakelite handsets. 2 in used condition, complete, untested: \$19 each. 1 phone brand new in the (opened) box: \$25

Military EE-8 field phones in canvas carry-cases. Very good used condition. 2 to sell. \$29 each

Literature

Military "Principles Underlying Radio Communication." 1922 (second edition). U.S. Signal Corps Pamphlet Number 40, War Department Document #1069. Covers spark including the SCR-49 pack set, ARC and early CW. Discussions on the Alexandersson alternator, Federal 100kw and 2kw ARC converters, military crystal sets including SCR-54, early transmitting tubes from GE, WE and de Forest, early military phone rigs including SCR-67 and much more. Also includes complete lists of Signal Corps publications through 1922 and Bureau of Standards radio publications through 1922. 620 pages. Nice Hardback. \$55

Sylvania "Tube Complements With IF Peaks and panel Lamp Data," 1941, info for hundreds of radios by make and model including all common boatanchor types existant by 1941. \$12

Gernsback 1935 Official Radio Service Manual Volume 5. Includes all early Hammarlund Comet Pro, Howard, National (SW-3, AGS, FBX), Patterson and Pilot plus all the usual broadcast stuff. No binder. \$33

Cornell-Dubelier Capacitor Manual for Radio Servicing, 1939-40 (1st edition). Excellent. \$15
Cornell-Dubelier Capacitor Manual for Radio Servicing, 1941 (2nd edition). Excellent. \$12
Cornell-Dubelier Capacitor Manual for Radio Servicing, 1948 (4th edition). Excellent. \$10

WANTED

Manual, schematic or any information needed about an Electronic Specialty "Trans-Meter" Model 905. This thing tunes 1.6mc to 85mc in 4 bands. It has a meter marked % MOD on one scale and VOLTS on another scale. It has a 1/4" phone jack marked PHONES, an OFF/ON switch, BNC INPUT connector a meter switch and a ZERO ADJ. control. Any help appreciated.

--

From boatanchors@theporch.com Sun Mar 10 14:27:38 1996
From: Paul Thekan <Paul.Thekan@pgtp.varian.com>
Subject: Re:FREE Motorola cabinets
Message-ID: <2.2.16.19960310121439.1e0f7012@pgtp.varian.com>

Hello again

I have given the wrong area code for Hals phone number. It should read

510 - 351 - 4490 . Sorry for the mess up and thanks to Peter Gerba for catching my mistake,

73

Paul N6FEG

Paul Thekan - Speaking for Himself
Paul.Thekan@pgtp.varian.com

From boatanchors@theporch.com Sun Mar 10 14:27:38 1996
From: Paul Thekan <Paul.Thekan@pgtp.varian.com>
Subject: FREE Motorola Rack Cabinets
Message-ID: <2.2.16.19960310102236.2af75ab0@pgtp.varian.com>

Hello all

I have a friend who has at least a dozen or more Motorola rack cabinets that he would like to find homes for. These are local pick up ONLY.

The fellow you want to contact is : Hal Puckeylow W6ZGO
 San Leandro , Calif
 Phone ; 519 - 351 - 4490

PLEASE CONTACT HAL AND NOT ME.

If these are saved , that will mean a dozen less Toyotas cranked out :)

73 Paul N6FEG

Paul Thekan - Speaking for Himself
Paul.Thekan@pgtp.varian.com

From boatanchors@theporch.com Sun Mar 10 14:27:38 1996
From: robert fowle <hammarlund@voyager.net>
Subject: FS: NC-173 (recapped & aligned +)
Message-ID: <199603100337.WAA07175@vixa.voyager.net>

Just got back from being all recapped, aligned, and gone completely thru.
works like new now, and sounds great (i use 500 ohm speaker, i prefer thier
sound)
inside looks almost new, no corrossion, cabinet considering it's age, has a
few minor marks, but the overall (I decided not to have it redone, as it's
not that bad.) appearence is " god, this thing looks almost new".
 Make me an offer + shipping

=====]-[->
Robert Fowle
The HAMMARLUND Historian
Ph. voice or fax 517-789-6721
1215 Winifred
Jackson, Mich. 49202-1946
E-mail at: hammarlund@vixa.voyager.net
 HAMMARLUND LITERETURE WANTED
=====]-[->

From boatanchors@theporch.com Sun Mar 10 14:27:38 1996
Subject: FS: New Old Millen RF AMP

For sale, a '40s or '50s Millen 2x 811 RF ampliflier, rack mount, new,

never used, with 8 plug in coils, 80-10 input and final. Almost perfect condx, great cosmetics. This is just the RF amplifier, it needs a power supply. 2 meters on the front (not 144 Mhz, just 2 meters!).

\$150 + shipping

Mike
K4QET

----- Forwarded message ends here -----

Dick Dillman
WPE2VT N6VS ex-WA2BJK
<ddillman@igc.apc.org>
Collector of Heavy Metal:
Harleys, Willys and Radios Over 100lbs.

From boatanchors@theporch.com Sun Mar 10 14:27:38 1996
Subject: FS: SX-43 receiver

This posting is for a friend.

For sale: SX-43 is in good working condition.
All tubes checked and replaced where necessary, all caps replaced. Has been aligned. Only performance problem is a 1 MHz error towards one end of FM band. Cosmetically very good. Front panel, plastic, meter and knobs excellent. Case paint a little worn. Manual included.
Also have the matching 10 inch speaker in excellent condition except for an extra 3/8 hole added in one side of cabinet.
Asking \$200 for them both.

Please call Bob at 708-844-4898 any time or E-mail:
broehrig@admin.aurora.edu Bob, K9EUI

----- Forwarded message ends here -----

Dick Dillman
WPE2VT N6VS ex-WA2BJK
<ddillman@igc.apc.org>
Collector of Heavy Metal:
Harleys, Willys and Radios Over 100lbs.

From boatanchors@theporch.com Sun Mar 10 14:27:38 1996
From: Jim Taylor <jptaylor@execpc.com>

Subject: FS: Teletype Manuals
Message-ID: <31432A89.5FB3@execpc.com>

For Sale:

Teletype manuals; collection of approximately forty various teletype manuals, including Description, Adjustment and Parts for Models 14, 15, 19, 20, 28, 32, 33 and 35. Also includes some military TMs; AN/GGC, TT-76GCC, TT-4/TG, AN/UGC-38 and AN/UGC-41. In addition, there are some Western Union and Extel manuals.

If interested, E-mail for list.

Jim Taylor, K9JT
jptaylor@execpc.com

From boatanchors@theporch.com Sun Mar 10 14:27:38 1996
From: GaryReed <deer119@alllinux1.alliance.net>
Subject: FT-102 AM/FM kit wanted
Message-ID: <m0tvi5n-000pMsC@alliance.net>

I would like to put my Yaesu FT-102 on AM phone. Does anyone have the optional AM/FM kit or know of other ways to get it to function on am ?
Thanks Gary WB80FU, deer119@alliance.net

From boatanchors@theporch.com Sun Mar 10 14:27:38 1996
From: "Lahlum Ross" <ross_lahlum@msmail.wes.mot.com>
Subject: FW: Moto HF radios
Message-ID: <9603100537.AA01394@kay.wes.mot.com>

Motorola did make some police radios back in the late 40's for sure, but I am not sure about the 30's. I know the police radios were FM, but I do not know what the frequency range was, which is why I didn't mention them in my earlier post. The ones in the Motorola museum have the old plate-capped finals - does that provide any indication of frequency range?

BTW, Motorola was I believe the first car radio manufacturer. Their very first product was a battery eliminator for home radios in the late 20's, then they expanded their business to car radios in the 30's, which led to the name change from "Galvin Mfg. Co". to "Motorola"

Ross

>Who, then, made the public service band radios of the '30s? I think they
>operated between 2 and 3 MHz.

>Motorola was a significant car radio Mfg in the '50s and '60s. Mostly "after-
>market" stuff. The exception was the Sapphire I made for VW of America. Quasi
>after-market.

>Jim, W1EQ0

From boatanchors@theporch.com Sun Mar 10 14:27:38 1996
From: "Dick Dillman" <ddillman@igc.apc.org>
Subject: Fwd: FS: New Old Millen RF AMP
Message-ID: <73368.ddillman@igc.apc.org>

NOTE The message below is a re-post from rec.radio.swap. All
replies must go to the person making the post, not me.

----- Forwarded message begins here -----

From: Michael A. Rutkaus <mrutkaus@shentel.net>
Newsgroups: usenet.rec.radio.swap
From boatanchors@theporch.com Sun Mar 10 14:27:38 1996
From: "Dick Dillman" <ddillman@igc.apc.org>
Subject: Fwd: FS: SX-43 receiver
Message-ID: <73364.ddillman@igc.apc.org>

NOTE The message below is a re-post from rec.radio.swap. All
replies must go to the person making the post, not me.

----- Forwarded message begins here -----

From: Vlad <dvorkin@pcs.mot.com>
Newsgroups: usenet.rec.radio.swap, usenet.chi.forsale, mot.forsale
From boatanchors@theporch.com Sun Mar 10 14:27:38 1996
From: doonan@cordmc.dnet.etn.com (DENNIS DOONAN X6916 (KG9DO))
Subject: Halli HT-17 question
Message-ID: <9603100239.AA08859@etn.com>

Hello gang,

A local ham, Steve, N9XSJ, just passed his 5 WPM code test and is
anxious to get on cw. He has a Hallicrafters HT-17 that was
repaired for him.

One the back, there are 5 terminal strip locations. 1 and 2 are

jumpered, 3 and 4 are jumpered, and 5 looks like chassis ground.

His question, and mine for him, is this set up for a balanced line? What are the connections points?

Again, I have to plead ignorance of this xmtr. There is no schematic, of course, and I asked Steve to trace out the connections. He is almost ready to go. Can any one supply the antenna connection information??

Thanks all.

73 de Dennis, KG9DO

From boatanchors@theporch.com Sun Mar 10 14:27:38 1996

From: Bob Roehrig <broehrig@admin.aurora.edu>

Subject: Re: help with batteries

Message-ID: <Pine.ULT.3.91.960309211443.29313A-1000000@admin.aurora.edu>

On Sat, 9 Mar 1996, Jim Haynes wrote:

> Our radio club had a battery expert speak at the last meeting. I've been
> trying to find time to boil things down into an article; but for now I'll
> try to cover the topic of lead batteries from his notes.

Thanks for all the good battery dope. I do have one question that maybe someone can answer regarding gel-cells. What happens to them when they are discharged too low. All I know is that they go high impedance and cannot be recharged. Is there any way to get them back in action once this happens?

E-mail broehrig@admin.aurora.edu

73 de Bob, K9EUI

From boatanchors@theporch.com Sun Mar 10 14:27:38 1996

From: Vincent Hueber <vhueber@mailbox.syr.edu>

Subject: Re: help with batteries

Message-ID: <Pine.SOL.3.91.960310123801.622A-1000000@gamera.syr.edu>

I brought back some 10AH 12V gell cells by putting 28volts on them through a variable resistor and watching the current, keeping at abt 75ma took several days but they are still working 5 years later.

On Sat, 9 Mar 1996, Bob Roehrig wrote:

> On Sat, 9 Mar 1996, Jim Haynes wrote:

>

> > Our radio club had a battery expert speak at the last meeting. I've been
> > trying to find time to boil things down into an article; but for now I'll

> > try to cover the topic of lead batteries from his notes.
>
> Thanks for all the good battery dope. I do have one question that maybe
> someone can answer regarding gel-cells. What happens to them when they
> are discharged too low. All I know is that they go high impedance and
> cannot be recharged. Is there any way to get them back in action once
> this happens?
>
>
> E-mail broehrig@admin.aurora.edu 73 de Bob, K9EUI
>

From boatanchors@theporch.com Sun Mar 10 14:27:38 1996
From: Karan Lee Carruth <klccarru@tenet.edu>
Subject: Re: help with batteries
Message-ID: <Pine.OSF.3.91.960310114645.5061B-100000@Joyce-Perkins.tenet.edu>

Very interesting. I have heard that deep discharge marine batteries
(like one would use with a trolling motor) should not be used to start
your outboard motor. Why would this be? From what Jim Haynes said, I
could not see why this would be bad for the battery.

Thanks for the great education on batteries.

Lenox Carruth
klccarru@tenet.edu

From boatanchors@theporch.com Sun Mar 10 14:27:38 1996
From: Walt Novinger <waltn@hooked.net>
Subject: Help with ID on Collins mechanical filters
Message-ID: <3142093E.106A@hooked.net>

This may be slightly off-topic, but I figure someone on the list might
be able to help me id the filters in my JRC NRD-515. There are three
rectangular Collins filters--originally installed by Radio West--with
the following part numbers:

526 9691 010
526 9693 010
526 9694 010

I'd like to know the bandpass characteristics of these filters.

Thanks much,
Walt
--

=====

Walt Novinger	Real Radios Keep You Warm At Night!
Collector of hollowstate communications receivers and test equipment	
waltn@hooked.net	wnovinger@shl.com
	CI\$: 73348,2015
http://www.hooked.net/users/waltn	

From boatanchors@theporch.com Sun Mar 10 14:27:38 1996
From: cfb@novum.com
Subject: Help: What's a Hoyt Portable Shunt?
Message-ID: <Chameleon.960309224923.cfb@net.indra.com>

Anyone know anything about a Hoyt Portable Shunt? It is stamped 300 Amp 90 90 MV.
I'd like to know exactly what it's for, how old it is, and what it might be worth.

Charles F. Bacon
cfb@novum.com

From boatanchors@theporch.com Sun Mar 10 14:27:38 1996
From: John Kolb <jlkolb@cts.com>
Subject: Re: Help: What's a Hoyt Portable Shunt?
Message-ID: <Pine.SCO.3.91.960310113056.5525B-100000@sd.cts.com>

On Sat, 9 Mar 1996 cfb@novum.com wrote:

> Anyone know anything about a Hoyt Portable Shunt? It is stamped 300 Amp 90
90 MV. I'd like to know exactly what it's for, how old it is, and what it
might be worth.
>

Shunts are used to measure high currents. They would normally have
four connections, usually two large studs with washers and nuts,
and two small screw connections. The large current to be measured
is applied between the large connections. A voltmeter or millivoltmeter
is connected at the small connections. In this case, a current
of 300 amps flowing through the shunt produces a voltage of 90
millivolts. $100\text{ A} = 30\text{ mV}$, etc. By ohms law, therefore, the resistance
between the points where the voltage is sensed is 0.0003 ohms .
The overall resistance will be larger because of resistance in the
studs, high current connections, etc, but will still be low

enough to not affect the circuit being measured. It's important to connect the voltmeter at the proper connection points, making a "4 terminal" connection. Connecting the voltmeter across the large studs would be measuring the voltage across too large a resistance, and give too large a reading.

More than you ever wanted to know, eh?

John Kolb KK6IL

From boatanchors@theporch.com Sun Mar 10 14:27:38 1996
From: David Metz <metzd@cfw.com>
Subject: HQ 170 help needed
Message-ID: <9603100212.AA24108@milo.cfw.com>

After some private mail between Andy Wallace and myself, he has recommended that I post this problem to BA and see if the collected expertise can help. Believe me, ANY and all help is needed. This is a HQ 170, not an A. However, the 170 schematic doesn't exactly match what is there but it appears to be original wiring. I think the problem is in the AGC but that's about all.

Symptoms:

1. V4 is running hot as a firecracker. Grid bias is +16v instead of -.67. Pin 7 voltage at min: +64v Resistance of grid: 1.2Meg Cathode @min gain: 9k. Logic says coupling cap c16 is shorted. It's not even after replacement. Next we thought we had a short in T3 so I removed it to check for primary to secondary short. NOPE! However, in the process of removing T3 I noticed R12--1k was fried so I replaced it. Virtually no effect.
2. V1 grid bias: 0 volts instead of -65v. Grid resistance is 1.5M instead of 3Meg.
3. V3 mixer: pin 1 grid 51.2k instead of 22k. grid bias -2.5v instead of -4.0
4. V16 1st audio/AVC grid pin 1: 0 v instead of -.95 grid resistance 475K instead of 4.5Meg. Cathode 5.5K-- and this is the weird part that isn't on the schematic. It's supposed to be straight to ground--it isn't! there is a .01cap to ground, a 5.6k resistor to ground and a 20mf electrolytic to ground all from the cathode pin 2. It really appears that this is the original wiring because it's too tight to have been modified and the .01 disk looks just like all the rest of them in the set. There are no other stickers on the set and plain as day it says HQ 170 on the front panel.
5. The set appears to be able to get a signal through the 60kc amplifiers

because if one couples a long wire antenna near V5, a strong local BC station comes right on through.

That is about the best I can describe. If anyone has any ideas could they respond via private mail? I don't want to bore the list with any responses and embarrass myself by not taking all suggestions immediately. I will, however, be sure to post the solution/s when its solved for the benefit of all and especially the accolades! With my work schedule it might be a week or so before I can even try the ideas and the continuity will get lost and appear that I don't care about the help. The R390 TM's are a little more explicit compared to the HQ's.

Lets hope Jack and Phil don't get burned out, this is a special place!
Thanks.....

73's dave metzd@cfw.com

From boatanchors@theporch.com Sun Mar 10 14:27:38 1996
From: aa4rm%amos.UUCP@mathcs.emory.edu (Marty)
Subject: Lysco A180
Message-ID: <9603101309.AA15000@amos.YP.mystnite>

This is a 3x 6aq5 cw critter that seem to be 80m only. I've a VFO that matches it's look/dim.s too.

Any bod seen one? Got it at the AWA meet in Atl yesterday.

Just cudn't SAY NO TO A LYSCO!

I've two other BA questions too. Like a Halli HT7 freq calibrator. One 'o these came clanking home behind the car too (like the dog collar in Summer Vacation)

Then there's some 2mc AT&T handi talkies. Gawd, what were they used for? One says ATT Co Atl. unit 20.

Hey they'll be great with osc. hv supplies / gel cells @ Dayton. They've got 14' whips. Fit with a plastic flower for visual location like the ladies in their mall cruisers.

\\ \\ \\ \\ \\ \\ \\

Which brings this up... 'PPT - do you have your ears ON??? - we need a 'mailsrch' or 'web crawler' info ferret to search all the archives here for this kinda info rather than bothering

the whole community with such inquiries.

I've separated 'mailsrch' outa 'rn for this very purpose. Just ask and it's yours (or anybody's). Jus add a C compiler & a make facility & it'sa cookin'

^ ^ ^ ^ ^ ^

Color me curious,

'rm

From boatanchors@theporch.com Sun Mar 10 14:27:38 1996
From: "Benjamin D. Hall" <bdhall@ghgcorp.com>
Subject: NC-100A Manual / Schematics
Message-ID: <3142406A.4358@ghgcorp.com>

Hello Y'all...

Anyone have a schematic or Riders for the NC-100A? I have a manual copy, but it appears National changed designs a lot, becuae what I have doesn't match the manual or the schematic. (The manual matches somewhat, but is missing the alignment instructions)

I'd be happy to reimburse for copying / postage expenses.

Thanks and 73,
Ben

BDHall@ghgcorp.com

From boatanchors@theporch.com Sun Mar 10 14:27:38 1996
From: john.vercellino@n9csa.com (John Vercellino)
Subject: R-100 manual
Message-ID: <960309210050580@n9csa.com>

I dom't have a manual for a R-100, but I do have one for the R-100A, was the successor. If you're interested in a copy of the R100A manual, please contact me at john.vercellino@n9csa.com

73 John

From boatanchors@theporch.com Sun Mar 10 14:27:38 1996
From: kf8at@detroit.ampr.org
Subject: R390 Contractors

Message-ID: <3719@detroit.ampr.org>

I wonder if anyone can tell me how many contractors produced the 390 / 390A receivers. I am also curious as to who these contractors may be.

I have heard that there were somewhere near 10 different companies producing them, is this true?

Thanks in advance for the help!

73,
Floyd, KF8AT

From boatanchors@theporch.com Sun Mar 10 14:27:38 1996
From: "Dick Dillman" <ddillman@igc.apc.org>
Subject: Radio Boys
Message-ID: <73882.ddillman@igc.apc.org>

For those who inquired earlier about Radio Boys books, I *knew* I had another. Please drop me an email if "The Radio Boys Seek Lost Atlantis" is of any interest.

Dick Dillman
WPE2VT N6VS ex-WA2BJK
<ddillman@igc.apc.org>
Collector of Heavy Metal:
Harleys, Willys and Radios Over 100lbs.

From boatanchors@theporch.com Sun Mar 10 14:27:38 1996
From: "Bill Standerfer" <williame@lynx.csn.net>
Subject: Shure 55S Microphone
Message-ID: <199603100704.AA18942@ns-1.csn.net>

I acquired a nice Shure 55S mic at the Norfolk, NE swapfest today. It looks nice in the shack on the swing arm and seems to work well with the B&W 5100. Does anyone have a spec sheet they might be willing to copy or can someone point me to a QST ad or review of the beast? It came attached to a Motorola TLN1167A preamp and any info on that would be handy, too.

Thanks.

Bill Standerfer - KF0DJ - Baron N222AB
Fort Collins, Colorado

From boatanchors@theporch.com Sun Mar 10 14:27:38 1996
From: Jim Dillon <beadgal@ptialaska.net>
Subject: Stephen King vs. Art Collins (ASCII ver.)
Message-ID: <01BB0DF9.16705920@juneau_12.dialups.ptialaska.net>

Following is repost in cleartext of earlier post from =
rec.antiques.radio+phono
news group. Warning: scary horrorshow content. Don't read this alone,
especially not in the dark with the warm glow of your 390A , 51j4, or =
75a4.
51S1 o.k.

Subject: Mechanical filters-- handle with careFrom: "George Gonzalez" =
<grg@boombox.micro.umn.edu>, University of MinnesotaDate: Tue, 5 Mar 96 =
10:20:15 CDT

(This note applies only to owners of high-end '50s communication=20
receivers)

If you have any radios with mechanical filters, there's a=20
few things you should be aware of.

Many Collins mechanical filters from the 50's (the long tubular=20
variety) had the delicate insides held in place by several bits of=20
plastic foam. This was probably to protect them from shock and=20
vibration.

After having a few of these go bad on me, I opened one up. I was=20
quite startled by what I found. The plastic foam rings had=20
disintegrated to little crumbly bits. There seemed to be a lot of=20
adhesive, maybe "Pliobond", that had mutated into a tarry mess.
Perhaps the chemicals from the Pliobond have hastened the decomposition=20
of the foam supports.

In any case, this left the mechanical filter's guts dangling by thin=20
#30 wire. A slight bump might be enough to break the wires and put=20
the filter out of commission. Even if the wires don't break, if the=20
filter loses its proper support it is likely to increase its=20
attenuation or lose some of its fine filtering qualities.

So be extremely gentle with any radios that have these filters.

The filters used in the 51J4 use similar construction but different mounting.

Any of the real small cylindrical filters use similar rugged construction.

I have personally had problems with the 75-A4 style filters that plug into a 9-pin socket. Those filters were amateur style filters and quite fragile. It is also quite easy to burn out the windings in the transducers. Those filters were for HAM use and to reduce cost were not made as rugged as the military style filters. The Military receivers used ruggedized filters. I am sure that the military had stringent specifications about acceptable vibration levels. Imagine a receiver airdropped into combat. Those air drops hit the ground pretty hard.

From boatanchors@theporch.com Sun Mar 10 14:27:38 1996
From: John Kolb <jlkolb@cts.com>
Subject: Re: Stephen King vs. Art Collins (ASCII ver.)
Message-ID: <Pine.SCO.3.91.960310114435.5525C-100000@sd.cts.com>

On Sat, 9 Mar 1996, Jim Dillon wrote:

> Warning: scary horrorshow content. Don't read this alone,
> especially not in the dark with the warm glow of your 390A , 51j4, or 75a4.
> 51S1 o.k.
>
> -----
> Subject: Mechanical filters-- handle with careFrom: "George Gonzalez"
<grg@boombox.micro.umn.edu>, University of MinnesotaDate: Tue, 5 Mar 96 10:20:15
CDT
>
>
>
> (This note applies only to owners of high-end '50s communication
> receivers)
>
> If you have any radios with mechanical filters, there's a
> few things you should be aware of.
>
> Many Collins mechanical filters from the 50's (the long tubular
> variety) had the delicate insides held in place by several bits of
> plastic foam. This was probably to protect them from shock and
> vibration.
>
> After having a few of these go bad on me, I opened one up. I was
> quite startled by what I found. The plastic foam rings had

> disintegrated to little crumbly bits. There seemed to be a lot of
>
> This may only apply to the older tubular filters. Sometime around
> 1960 the newer filters started coming in rectangular cases. I don't
> know if these newer styles are prone to the same problem.

> George R. Gonzalez grg@boombox.micro.umn.edu
>
> Wow....that was intense. Has anyone else done a post-mortem on Fubar
> mechs.....is magnetoconstictive degeneration the scourge M. Gonzales
> depicts.....should we order up those Toyos.....
> stay tuned

> Jim Dillon WL7CMQ beadgal@ptialaska.net

The filters I've opened seemed to mostly be made around 1977,
and were all mounted in rubber.

A F500E60 I've opened used what looks like a large, standard
rubber grommet.

I didn't have very good luck repairing filters I've opened by unsoldering
the cans - I suspect excessive heat weakened the bias magnets, causing
excessive ripple in the filter after repair. Running more than a few mills
of DC through the mech filter coil can do the same thing. I went to
cutting the end of the filter off with a moto tool and cutoff wheel to
access the coil/terminal, then putting back together with hot melt glue.
Ugly, but the filter works.

John Kolb KK6IL jlkolb@cts.com

From boatanchors@theporch.com Sun Mar 10 14:27:38 1996
From: gpewitt@execpc.com (Gary Pewitt)
Subject: Waukasha Hamfest
Message-ID: <199603101827.MAA16417@mail.execpc.com>

A great hamfest. Best one I've been to yet. Didn't find the TV7 I was looking
for but got lots of other things I didn't even know I needed.
Saw a Hammarlund HQ-170A in nice condition, asking \$175.00.
Almost bought a National NC-303 for \$160.00 but didn't have enough cash left and
he didn't want to take a check.
I did buy something I think is sort of rare. A Hammerlund FM 50A two meter
transceiver. 13 tubes and 35 watts out. Crystal controlled and no PL of

course. It's crystallized for 146.22 tx and 146.82 rec. I didn't even know they made a two meter fm transceiver. I didn't get a manual (naturally) so if anyone has one or could supply me with a copy I'd be happy to cover all expenses. Or If someone makes me an offer I can't refuse I'm always open to boatanchor trades. Or even that green paper I'm always exchanging for old shackwarmers.

I just made a not-quite-simplex qso with it, sonofagun it works!

73 to all de Gary N9ZSV gpewitt@execpc.com in Milwaukee

414 355 8247

gpewitt@execpc.com N9ZSV 414-355-8147

From boatanchors@theporch.com Sun Mar 10 14:27:38 1996

From: DUBE2@delphi.com

Subject: WTB tube sockets

Message-ID: <01I25G5480DK99EUR9@delphi.com>

Does anyone have tube sockets for type 203/805/872A-type tubes. These tubes have 4 short base pins.

Thanks,

Dube

AB5AP

dube2@delphi.com

The wear on a hypothesis is proportional to the distance of the extrapolation from the experimental results - Eli Brookner